

CLAIMS

What is Claimed is:

- 5 1. A process for the production of backing foils provided on one side with an uncured or at most partially cured transparent coating and, on the side of the coating remote from the foil, with an image, said process comprising the successive steps:
  - 10 a) providing a backing foil provided on one side with an uncured or at most partially cured transparent coating of a curable coating composition and
  - b) providing the side of the coating remote from the foil with an image.
2. The process of claim 1, wherein the side of the coating remote from  
15 the foil is provided with the image in process step b) by printing.
3. The process of claim 2, wherein printing proceeds by inkjet printing.
4. The process of claim 1, wherein the transparent coating comprises  
20 a coating selected from the group consisting of thermally curable coatings, coatings curable by means of high-energy radiation and coatings which are curable by means of high-energy radiation and additionally by thermal means.
- 25 5. The process of claim 1, wherein the transparent coating contains 1 to 20 wt.%, relative to the resin solids content, of an inorganic filler.
6. The process of claim 1, wherein, between the performance of  
30 process steps a) and b), a further transparent coating is applied of a coating composition which contains 1 to 20 wt.%, relative to the resin solids content, of an inorganic filler.

7. The process of claim 6, wherein the coating composition used to apply the further transparent coating has the same resin solids composition as the transparent coating on the backing foil provided in process step a).

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8. Backing foils coated and provided with an image using the process of claim 1.

9. A process for providing substrate surfaces with images covered by a transparent coating layer, comprising the successive steps:

10 a') providing a substrate to be provided with an image covered with a transparent coating layer and of a backing foil provided on one side with a first uncured or at most partially cured transparent coating, optionally a further transparent coating and, on the side of the transparent coating

15 remote from the foil, with an image,

b') applying the backing foil with its coated side provided with the image onto the substrate,

c') curing of at least the first transparent coating and

d') removing the backing foil from the transparent coating which,

20 together with the image, remains on the substrate, wherein curing according to process step c') proceeds before and/or after removal of the backing foil.

10. The process of claim 9, wherein the first transparent coating is thermally curable and curing proceeds in step c') by supply of thermal energy by means of a method selected from the group consisting of radiant heating, convection, induction heating, contact heating or any desired combination thereof.

30 11. The process of claim 9, wherein the first transparent coating is curable by means of high-energy radiation and the curing in step c')

proceeds by irradiation with high-energy radiation selected from the group consisting of electron beam radiation and UV radiation.

12. The process of claim 9, wherein the curable coating composition is  
5 a coating composition curable thermally and by means of high-energy  
radiation and the curing in step c') proceeds by supply of thermal energy  
by means of a method selected from the group consisting of radiant  
heating, convection, induction heating, contact heating or any combination  
thereof and by irradiation with high-energy radiation selected from the  
10 group consisting of electron beam radiation and UV radiation.